



## ODOC Weatherization Program Notice 19-4

# Static Pressure Testing & Duct Operating Pressures

**To:** All ODOC Agency Weatherization Program Service Providers - Executive Directors, Weatherization Program Managers, Oklahoma Association of Community Action Agencies Training Center

**From:** Amanda Marcott-Thottunkal, Senior Energy Programs Manager

**Regulations:** DOE [10 CFR 440.21](#); CAA Implementation Manual, Requirement 309, Section I; [The Weatherization Assistant User's Manual Version 8.9](#)

**Purpose:** To establish short-term and long-term procedures for obtaining duct operating pressure numbers for Weatherization Assistant 8.9 NEAT and MHEA energy audits.

**Implementation Date:** All ODOC Subgrantees are required to implement this policy with any energy audits that have not yet received ODOC authorization for DOE 2019, and for all energy audits thereafter for both DOE 2019 and DHS LIHEAP 2019.

## REGULATORY BACKGROUND:

The Oklahoma Department of Commerce (ODOC) has conditional U.S Department of Energy (DOE) re-approval to use Weatherization Assistant 8.9 National Energy Audit Tool (NEAT) and Manufactured Home Energy Audit (MHEA) energy audit modeling software to determine which energy conservation measures (ECMs) are cost-effective and, therefore, allowable to be installed in a home. In order for NEAT and MHEA to make recommendations that comply with [10 CFR 440.21](#), accurate data must be entered into the software per [The Weatherization Assistant User's Manual](#) (Version 8.9), and ODOC Policy. In order for air and duct leakages to be modeled correctly, Duct Operating Pressures (for both before and after duct sealing) are necessary for both NEAT and MHEA. NEAT requires both Supply and Return, while MHEA requires only Supply.

## NEAT Screen Shot Example of Duct Operating Pressures Entry:

The screenshot shows the NEAT Audit software interface. The 'Audit Name' is 'House with finished attic'. The 'Client ID' is '00003 House with finis'. The 'Client Name' is 'Tallhouse, Ann'. The 'Alt. Client ID' is empty. The 'Audit Information' tab is selected. The 'Ducts/Infiltration' sub-tab is active. The 'Evaluate Duct Sealing' checkbox is checked. The 'Duct Leakage Method' is 'Whole House Blower Door Measurements'. The 'Whole House Blower Door Measurements' section shows the following data:

	Before Weatherization (Existing)	After Duct Sealing and Before Other Weatherization (Target or Actual)	After Weatherization (Target or Actual)
Air Leakage Rate (cfm)	4000	3780	2500
at House Pressure Difference (Pa)	50	50	50

The 'Duct Operating Pressures' section is circled in red and shows the following data:

	Before Duct Sealing	After Duct Sealing
Supply (Pa)	25	30
Return (Pa)	25	30

The 'Run Audit' button is visible on the right side of the interface. The 'Last Run On' date is 2/10/2012 at 10:55 AM.

## MHEA Screen Shot Example of Duct Operating Pressures Entry:

MHEA Audit

Audit Name:  Client ID:  Client Name:  Alt. Client ID:

Audit Information | Status | Shell (10) | Addition (5) | Heating (2) | Cooling (2) | Ducts/Infiltration | Baseloads | Health & Safety | Itemized Costs (2) | Utility Bills (2) | Photos (0) | Measures (20)

Air and Duct Leakages | Optional Blower Door and Zonal Pressures | Optional Pressure Balance | Optional Pressure Pans

Evaluate Duct Sealing ☒ Duct Leakage Method:

Whole House Blower Door Measurements

	Before Weatherization (Existing)	After Duct Sealing and Before Other Weatherization (Target or Actual)	After Weatherization (Target or Actual)
Air Leakage Rate (cfm)	<input type="text" value="4200"/>	<input type="text"/>	<input type="text" value="2500"/>
at House Pressure Difference (Pa)	<input type="text" value="50"/>	<input type="text"/>	<input type="text" value="50"/>

Duct Operating Pressures

	Before Duct Sealing	After Duct Sealing
Supply (Pa)	<input type="text" value="25"/>	<input type="text" value="30"/>

Costs

Infiltration Reduction (\$)  Comment:

Duct Sealing (\$)

Run Audit  
Last Run On: 2/10/2012 at 10:57 AM

## PROGRAM GUIDANCE

1. All Subgrantees (Weatherization Program Service Providers) must begin conducting Static Pressure Testing immediately, **OR** as soon as possible (no later than April 1, 2020), if training is required.
  - a. Training, to include how to determine both before and after duct sealing numbers, must be received through an Interstate Renewable Energy Council (IREC) Weatherization Training Center by March 31, 2020, if Subgrantees do not currently possess the knowledge, skills, or abilities to perform the necessary Static Pressure Testing.
2. While a Subgrantee is waiting to complete Static Pressure Testing training, the following estimated pressure numbers have been DOE approved for use. These estimated numbers are allowable for both DOE 19 and DHS 19 until March 31, 2020, or until training is completed.

	Before Duct Sealing	After Duct Sealing
Supply (NEAT & MHEA)	25	30
Return (NEAT only)	25	30

3. Should you have any questions or concerns about this Program Notice, please contact the Senior Energy Programs Manager.